

WHAT IS CLAIMED IS:

1. A medical adhesive tape or sheet comprising a supporting substrate and an adhesive layer directly or indirectly laminated thereon, wherein said supporting substrate comprises a composition which comprises 100 parts by weight of a thermoplastic resin and 10 to 200 parts by weight of a silicic acid compound.

2. The medical adhesive tape or sheet as claimed in claim 1, wherein said silicic acid compound is at least one selected from the group consisting of zeolite, talc and silica.

3. The medical adhesive tape or sheet as claimed in claim 1, wherein said thermoplastic resin is at least one member selected from the group consisting of a polypropylene resin, a blend of a polypropylene resin and an elastomer, and a copolymer of a polypropylene resin and an elastomer.

4. The medical adhesive tape or sheet as claimed in claim 3, wherein the polypropylene resin, or the copolymer of a polypropylene resin and an elastomer is amorphous or low crystalline.

5. The medical adhesive tape or sheet as claimed in claim 4, wherein the amorphous or low crystalline polyolefin resin is present in an amount of 30 to 100% by weight based on the total weight of film-forming materials for a supporting substrate.

6. The medical adhesive tape or sheet as claimed in claim

1, wherein said supporting substrate further comprises a resin modifier.

7. The medical adhesive tape or sheet as claimed in claim 6, wherein the resin modifier is present in an amount of 0.1 to 40% by weight based on the total weight of the film-forming resin composition.

8. The medical adhesive tape or sheet as claimed in claim 6, wherein said resin modifier is at least one selected from the group consisting of a hydrogenated product of styrene-butadiene copolymer or its maleic acid-modified product, polystyrene-polyethylene-butylene-crystalline polyolefin, crystalline polyolefin-polyethylene-butylene-crystalline polyolefin, ethylene-ethyl acrylate copolymer, ethylene-acrylic acid ester-maleic anhydride copolymer, ethylene-methacrylic acid glycidyl ester copolymer, maleic anhydride graft polypropylene, maleic anhydride graft ethylene-polypropylene copolymer, acrylic acid graft polypropylene, ethylene-vinyl acetate copolymer, ethylene-vinyl acetate/ethylene-propylene-diene/polyolefin graft copolymer, metal salts of ethylene-methacrylic acid copolymer and chlorinated paraffin.

9. The medical adhesive tape or sheet as claimed in claim 1, wherein said supporting substrate has a stress relaxation ratio of 60% or less.

10. A first-aid adhesive tape comprising the medical

adhesive tape or sheet as claimed in claim 1, and an absorbent pad provided at a central region on a surface of the adhesive layer thereof.